SESSION 2.5

EAGLE TRAFFIC CONTROL SYSTEMS

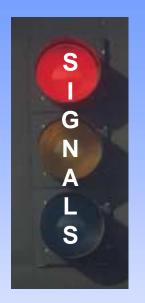


DAVE MILLER



PRODUCT LINES

FROM SIGNALS TO SYSTEMS...











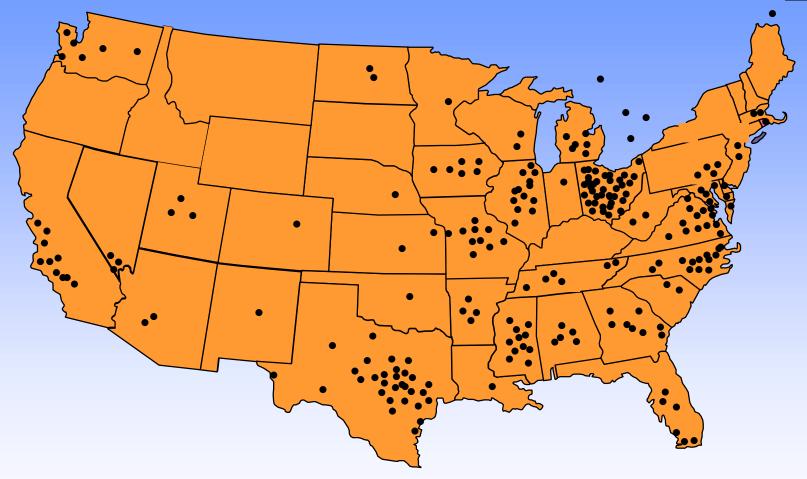


...THE SINGLE SOURCE SUPPLIER
OF TRANSPORTATION AND
PARKING PRODUCTS



SYSTEMS INSTALLED







ACTRA SYSTEM FEATURES



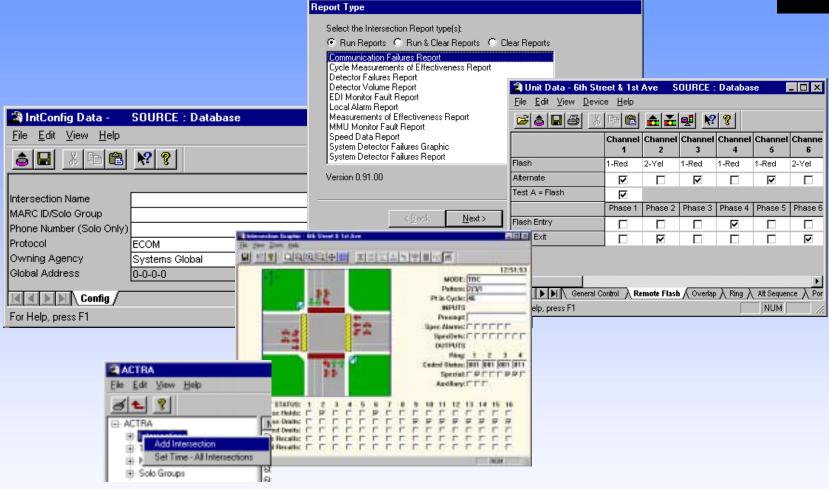
- A 3RD GENERATION INTELLIGENT TRANSPORTATION MANAGEMENT SYSTEM
- OFFERS THE END-USER CHOICES IN TRAFFIC CONTROL
- RUNS IN A FAMILIAR WINDOWS ENVIRONMENT
- INTEGRATES WITH SOFTWARE DEVELOPED BY OTHER SIEMENS COMPANIES
- PROVIDES OPEN ARCHITECTURE
- USES INDUSTRY STANDARD INTERFACES AND COMPONENTS
- OPEN CLIENT/SERVER ARCHITECTURE
 - FULLY SCALABLE
 - VIRTUALLY UNLIMITED EXPANDABILITY
- A TRUE ATMS/ITMS



2070 & ITS CABINET WORKSHOP - AUGUST 2001

USER INTERFACE

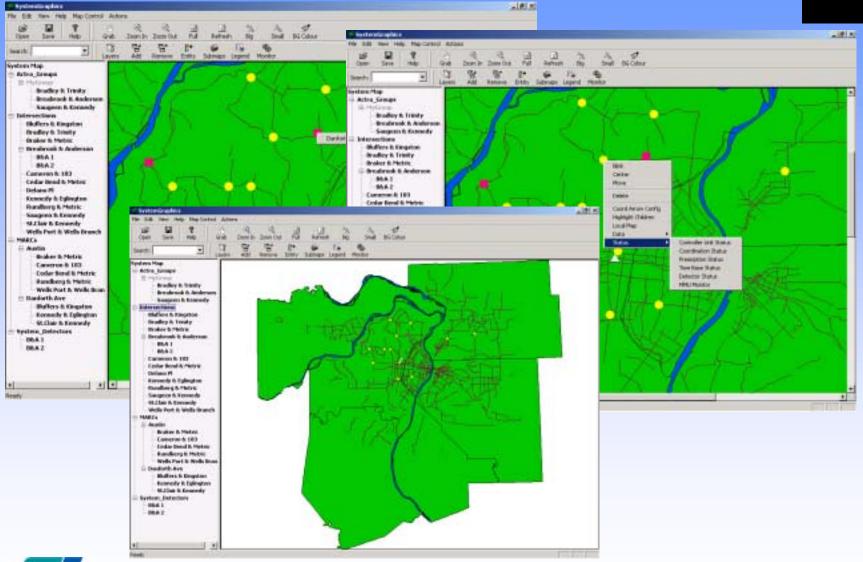






AREA MAPS

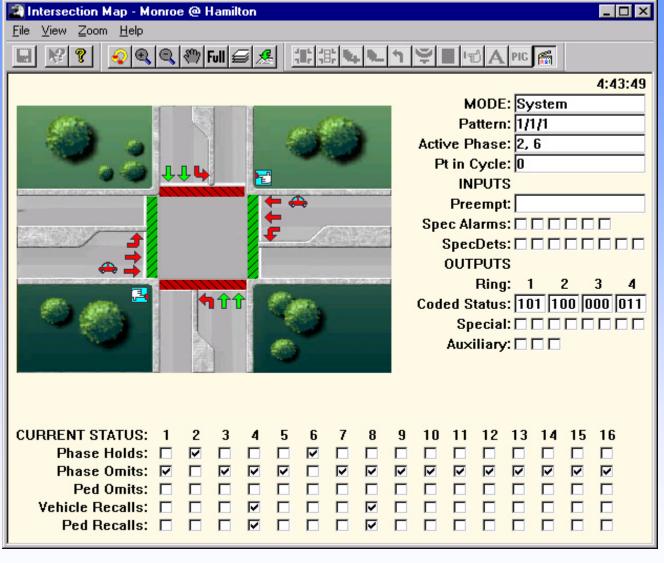






ACTRA INTERSECTION

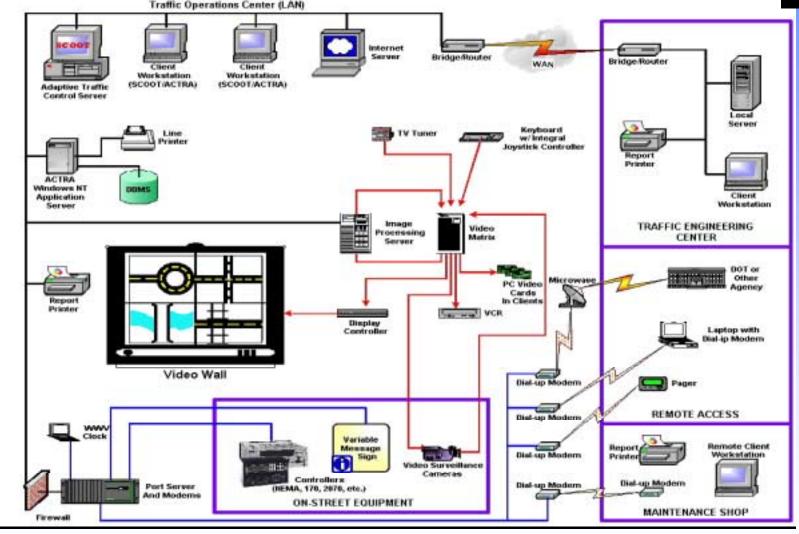






LARGE-SIZED ACTRA SYSTEM ARCHITECTURE

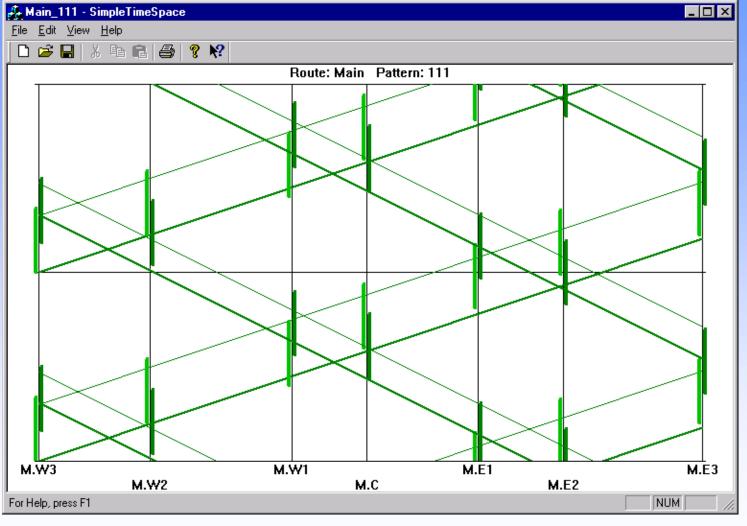






TIME SPACE DIAGRAM WITH ALL REAL INTERSECTIONS

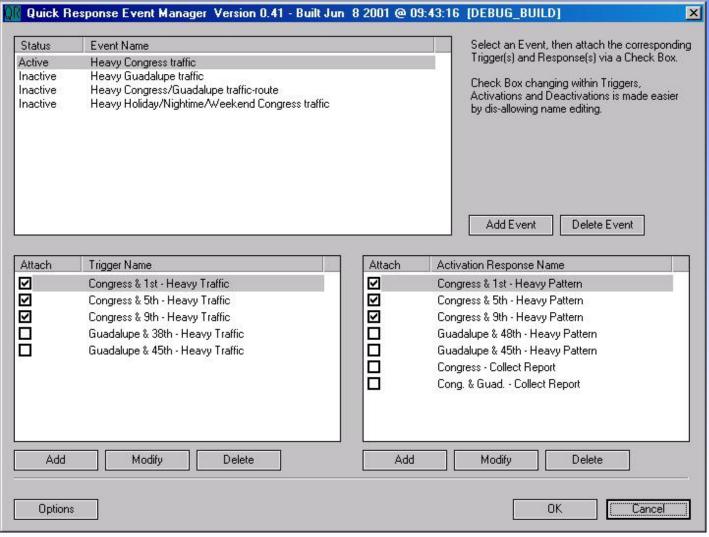






QUICK RESPONSE











Response Action	
Variable and the control of the cont	Name: Congress Flash
	Execution Offset 5 Hrs 27 Mi
	Command Collect a Report
	Group Code Group 2 - Lamar
	Pattern 1/2/2 Dial 1/Spl 1/Off 2
	Add Action Save Action Delete Action
	Change a Groups Pattern Change a Groups Pattern Again







ick Response - Trigger	<u>x</u>
Detector V + O 1st and Congress V + O > 120 Detector Status 1st and Congress Detector3 > 60	Name Congress Flash Element Condition Intersection
	Add Cell Save Cell Delete Cell OK Cancel

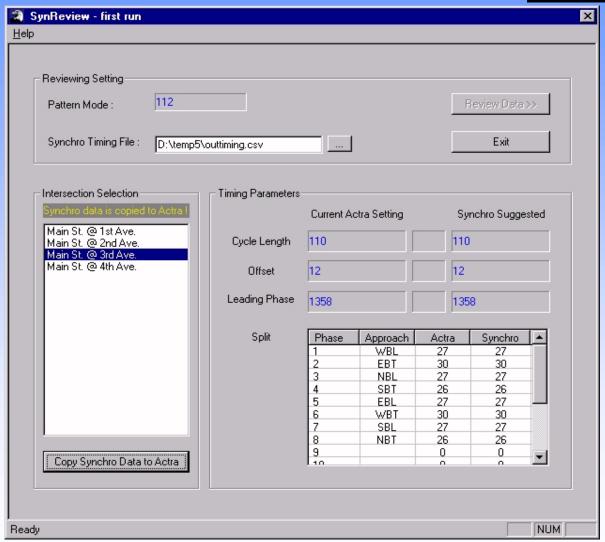


SYNCHRO



OUTPUT REVIEW

THE USER CAN
COPY THE
SYNCHRO OUTPUT
VALUE TO ACTRA
BY PRESSING THE
COPY BUTTON

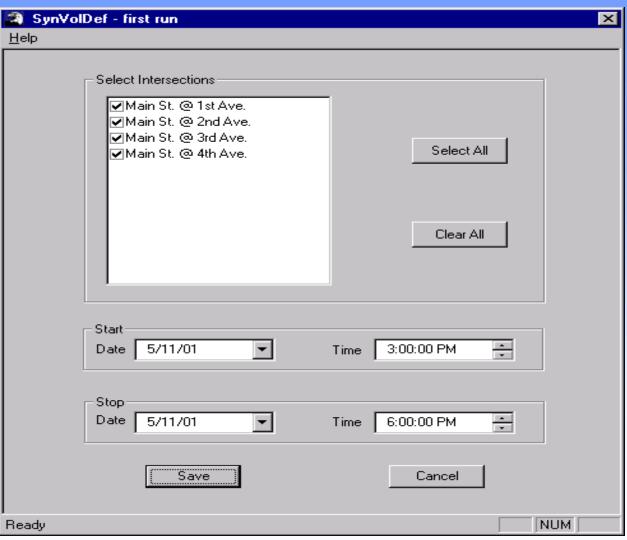




SYNCHRO



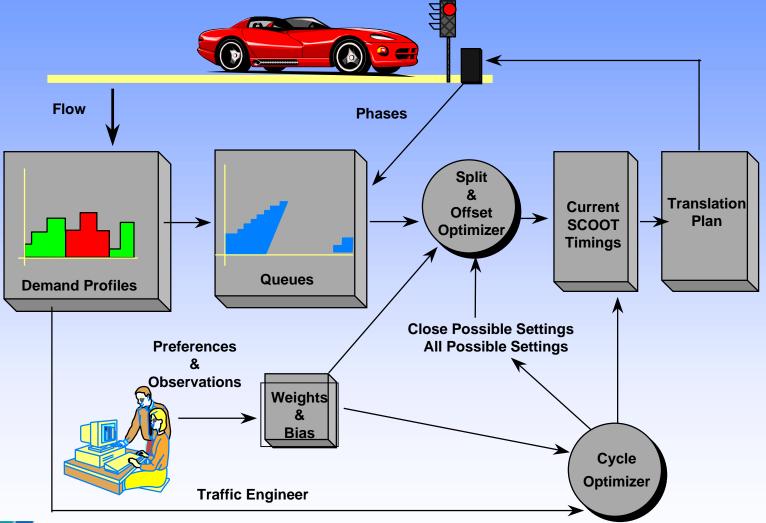
THE USER
CAN SET UP
THE TIME
PERIOD FOR
VOLUME
DATA
COLLECTION
IN 15
MINUTES
INTERVALS





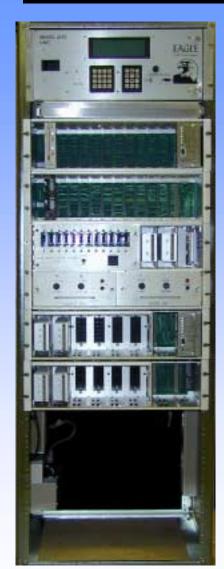
SCOOT GENERAL OVERVIEW







ITS CABINET



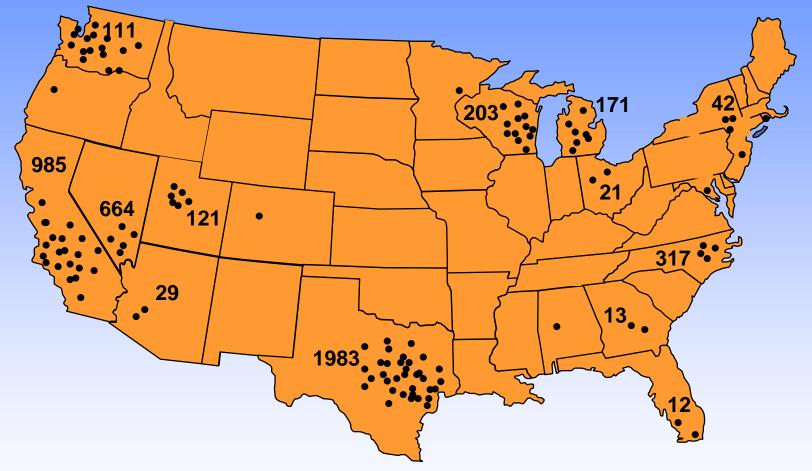






2070/ATC CONTROLLER UNITS INSTALLED





SE-PAC 2070/ATC SOFTWARE



INCORPORATES 15 YEARS OF ACTUAL "ON-STREET" TRAFFIC MONITORING AND CONTROLLING EXPERIENCE

SIX COORDINATION MODES

ADAPTIVE TRAFFIC CONTROL

PREEMPTIVE/ PRIORITY ROUTINES

NUMEROUS STANDARD REPORTS

BUILT-IN DIAGNOSTICS TIME BASE CONTROL

VERSIONS OF THE 2070/ATC





2070/ATC ADVANCED REPLACEMENT FOR THE 170 & 170E



2070L BLANK FRONT PANEL VME OPTIONAL



2070N NEMA TS1 COMPATIBLE



2070 ITS
NO FIELD I/O
USES SERIAL SDLC
CONNECTION TO SIU



2070 & ITS CABINET WORKSHOP - AUGUST 2001

ALL TEES HARDWARE DEVICES

•	CONTROL	<u>LLERS & SUBASSEMBLIES:</u>	EAGLE PART	
•	2070	Unit Chassis	AAD14171P001	
•	2070-1A	CPU Module, 2 board, VME, Data Key, OS/9™	AAD13981P001	
•	2070-1B	CPU Module, 1 board, Serial Hub, Data Key, OS/9™, no VME	AAD13983P001	
•	2070-2A	Field I/O for Type 170 cabinet wiring, no Data Key	AAD14081P003	
•	2070-2B	Field I/O Interface for NEMA or ITS cabinet wiring	AAD14243P001	
•	2070-2C	Field I/O for TS-2, Type 2	AAD14839P001	
•	2070-3A	Front Panel Module, 4 lines of 40 characters, 2 keypads	AAD14172P001	
•	2070-3B	Front Panel Module, 8 lines of 40 characters, 2 keypads	AAD14172P002	
•	2070-3C	Front Panel Module, blank, C60 connector for computer	AAD14172P003	
•	2070-4A	Power Supply Module, 10 amp, with +5 V Standby for VME rack	AAD11944P001	
•	2070-4B	Power Supply Module, 3.5 amp, no +5 V Standby for VME rack	AAD11944P002	
•	2070-5A	VME Cage Assembly, 5 slot, for 2070-1A, requires 2070-4A	AAD11938P001	
•	2070-5B	MCB Mounting Assembly, 1 slot, for 2070-1A	AAD13939P001	
•	2070-8	NEMA Interface Module, TS-1 or TS-2 Type 2 cabinet wiring	AAD12163P003	
•	2070-9	2070N Back Cover for 2070-8A (optional, not required)	FFD12168P001	
•				
•				
COMMUNICATIONS MODULES:				
•	2070-6A	Async/Modem Serial Comm Module, 1200 bps	AAD11942P002	
•	2070-6B	Async/Modem Serial Comm Module, 9600 bps (short distance)	AAD11942P001	
		External Modem, 1200-19200 bps, with cable for 2070-7		AAD14251P001
•	2070-6C	Dial-up modem ITU V.90, 2400 to 57000 bps (Future)	AAD13974P001	
•	2070-6D	Internal Fiber Modem, 1300 nM single mode	AAD13403P001	
•		External Fiber Modem, 1300 nM single mode, with 2070-7 cable	AAZ14257P001	
•	2070-7	Async Serial Comm Module, EIA-232, for external modem	AAD11943P001	
•	2070-7A	Async Serial Comm Module, EIA-232, for direct connect	AAD13982P001	
•	2070-7B	Async Serial Comm Module, EIA-485, for twisted pair	AAD13929P001	
•		VME Ethernet Adapter, OS/9 drivers, requires 2070-1A, 2070-5A	AAD14004P001	
•		VME EIA-232 Adapter, 8 channels, requires 2070-1A, 2070-5A	AAD14246P001	



SOFTWARE AND ACCESSORIES

•	SOFTWARE:	EAGLE PART
•	Eagle EPAC™ Traffic Control Software	MBU14247P312
•	Gardner Transportation NEXTPHASE™ Traffic Control Software	MBU13995P100
•	Los Angeles DOT Traffic Control Software	Demo, only
•	Eagle VALSUITE controller self-test software (requires loop-back)	MBU14003P100
•	Eagle MDMTEST2 modem self-test software (requires loop-back)	MBU14024P100
•	Developers Software Kit, Microware FASTRAC, OS/9 editor, compiler, linker	MBU14019P001
•		
•	CABLES AND ACCESSORIES:	
•	Loop-Back Cable, for 2070-2A Field I/O (Type 170 104 Pin Connector)	ABW12150P001
•	Loop-Back Cable, for 2070-8 Field I/O (NEMA A,B,C,D)	ABW12232P001
•	Loop-Back Cable, for 2070-7, 2070-7A EIA-232 Ports	ABW12151P001
•	Loop-Back Cable, for 2070-6A, 2070-6B EIA-232 Ports	ABW12152P001
•	Loop-Back Cable, for 2070-6A, 2070-6B FSK Lines	ABW12233P001
•	Loop-Back Cable, for 2070-8 EXT2, EIA-232	ABW12234P001
•	Loop-Back Cable, for 2070-8 EXT2, FSK Lines	ABW12235P001
•	Ethernet RJ-45 Cable, 6 ft, connects VME Ethernet Adapter to PC Ethernet	ABW14020P006
•	EIA-232 Cable, 6 ft, connects C50 to PC COM1 to load application software	ABW14021P006
•	EIA-232 Cable, 6 ft, connects 2070-3C C60 to PC COM1 as remote front panel	ABW14245P006
•	EIA-232 Cable, 6 ft, connects 2070-6 C2S or C22S to EIA-232 DB-25	ABW14256P006
•	FSK Cable, 10 ft, connects 2070-6 C2S or C22S to phone punch down	ABW14255P010
•	EIA-232 Cable, 6 ft, connects 2070-7 to AAZ14257P001 External Fiber Modem	ABW14259P006
•	Fiberoptic Cable, 2 meter, connects 2070-6D to fiberoptic patch panel	PBW04915P001
•	Adapter Cable, 6 ft, connects 2070-8 NEMA 57 pin "D" to cabinet panel	ABW14258P006
•	Adapter Cable, 6 ft, connects 2070-7 9-pin "D" to 2070-8 EXT2 Cable	ABW14122P006
•	Developers Hardware Kit, cable and software to load operating system upgrades	AAD14248P001

Datakey™ Programmer, includes software and cable to PC COM1



AAD14252P001